

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS

NAME: US Department of Interior Bureau of Reclamation
ADDRESS: 826 E FRONT STREET, SUITE A
PORT ANGELES, WA. 98362-3613
FACILITY: ELWHA WATER TREATMENT PLANT
LOCATION: Elwha River/ Lat: 48°10'10"N/Long:123°33'7"W
ATTN: DAVID F ADKINS, USBR CIVIL ENG

WA-0026662
PERMIT NUMBER

*001 A
DISCHARGE NUMBER

Minor (SUBR SW) F-Final
Slurry Discharge Effluent
Sedimentation Plant
(non-wastewater)



MONITORING PERIOD							
From	Year	Mo	Day	To	Year	Mo	Day
	2013	8	1		2013	8	31

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		Average Monthly	Maximum Daily	UNITS	Minimum	Average Monthly	Maximum Daily	UNITS				
Water Temperature Effluent 00010 1 0 0	Sample Measurement	*****	*****		*****	12.7	13.4		0	Daily	Grab	
	Permit Requirement	*****	*****		*****	Report	Report	Deg. C	*****	5/Week	Grab	
Water Temperature Influent 00010 7 0 0	Sample Measurement	*****	*****		*****	12.7	14.3		0	Daily	Grab	
	Permit Requirement	*****	*****		*****	Report	Report	Deg. C	*****	5/Week	Grab	
Flow Rate Effluent 00056 1 0 0	Sample Measurement	9.9	17.5		*****	*****	*****		0	Continuous	Recording	
	Permit Requirement	Report	Report	CFS	*****	*****	*****		*****	Continuous	Recording	
Flow Rate Influent 00056 7 0 0	Sample Measurement	45.1	59.4		*****	*****	*****		0	Continuous	Recording	
	Permit Requirement	Report	Report	CFS	*****	*****	*****		*****	Continuous	Recording	
Turbidity Influent 00070 7 0 0	Sample Measurement	*****	*****		*****	48.3	185.0		0	Continuous	Recording	
	Permit Requirement	*****	*****		*****	Report	Report	NTU	*****	Continuous	Recording	
Total Suspended Solids Daily Average Influent Turbidity > 50 NTU Influent 00150 P 0 0 See Comments Below	Sample Measurement	27,452	69,991		*****	101.4	233.0		0	Daily	24-Hr Composite	
	Permit Requirement	Report	See I.B.3 & I.B.4	Lb/Day	*****	Report	Report	mg/L	*****	Daily	24-Hr Composite	
Dissolved Oxygen Influent 00300 7 0 0	Sample Measurement	*****	*****		*****	12.4	12.8		0	Daily	Grab	
	Permit Requirement	*****	*****		*****	Report	Report	mg/L	*****	1/Month	Grab	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Tom Hubbard	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.							TELEPHONE		DATE		
TYPED OR PRINTED								503	582-9655	2013	8	9
					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			Area Code	Number	Year	Mo	Day

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) 0 = Daily Avg. Influent From River Turbidity >50 NTU; P = Daily Avg. From River Turbidity <50

FCT
9/12/13

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Sedimentation Plant
(non-wastewater)

Form Approved

OMB No. 2040-0004

RECEIVED
SEP 11 2013

U.S. EPA REGION 9
OFFICE OF COMPLIANCE AND ENFORCEMENT

PARAMETER		QUANTITY OR LOADING			Minimum	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average Monthly	Maximum Daily	UNITS		Average Monthly	Maximum Daily	UNITS			
BOD, 5-Day Effluent 00310 1 0 0	Sample Measurement	*****	*****		*****	1.0	1.0	mg/L	0	1/ Month	Comp
	Permit Requirement	*****	*****		*****	Report	Report		*****	1/ Month	24- Hr Composite
PH Effluent 00400 1 0 0	Sample Measurement	*****	*****		*****	7.6	7.9	SU	0	Daily	Grab
	Permit Requirement	*****	*****		*****	6.5 - 8.5	8.5		*****	5/Week	Grab
PH Influent 00400 7 0 0	Sample Measurement	*****	*****		*****	7.6	7.7	SU	0	Daily	Grab
	Permit Requirement	*****	*****		*****	6.5 - 8.5	8.5		*****	5/Week	Grab
Total Alkalinity (As CaCO3) Effluent 00410 1 0 0	Sample Measurement	*****	*****		*****	43.5	50.0	mg/L as CaCO3	0	Daily	Comp
	Permit Requirement	*****	*****		*****	Report	Report		*****	1/Month	24-Hr Comp
Total Solids Suspended Effluent 00530 0 0 0 Daily Average Influent Turbidity > 50 NTU See Comments Below	Sample Measurement	23,903	59,736		*****	363.0	829.0	mg/L	0	Daily	24-Hr Comp
	Permit Requirement	49,768	155,522	Lb/Day	*****	Report	Report		*****	Daily	24- Hr Composite
Total Suspended Solids Effluent 00530 P 0 0 Daily Average Influent Turbidity < 50 NTU See Comments Below	Sample Measurement	23.35	56.96	#/CFS River	*****	382.77	1495.00	mg/L	9	See attached data report	Comp
	Permit Requirement	Report	22		*****	Report	Report		*****	Daily	24- Hr Composite
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Tom Hubbard	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.					TELEPHONE 503 582-9655		DATE 2013 8 9			
TYPED OR PRINTED						AREA Code NUMBER		Year	Mo	Day	

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) 0 = Daily Avg. Influent From River Turbidity >50 NTU; P = Daily Avg. From River Turbidity <50

Total Suspended Solids Effluent 00530 P 0 0 Daily Average Influent Turbidity < 50 NTU: Decreasing river flows and drop in turbidity resulted in pounds per river CFS more than allowed. Operations staff do not have the ability to control the river flows or the amount of TSS discharged when the river turbidity fluctuates from above 50 NTU to below 50 NTU.

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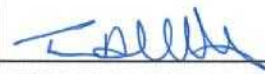
DISCHARGE NUMBER

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Sedimentation Plant
(non-wastewater)



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		Average Monthly	Maximum Daily	UNITS	Minimum	Average Monthly	Maximum Daily	UNITS			
Total Suspended Solids Influent 00530 7 0 0 Daily Average Influent Turbidity < 50 NTU See Comments Below	Sample Measurement	31.49	74.87	Lb/CFS River	*****	82.84	236.00	mg/L	0	Day of Discharge	Comp
	Permit Requirement	Report	Report		*****	Report	Report		*****	Daily	24-Hr Composite
Settleable Solids Effluent 00545 1 0 0	Sample Measurement	*****	*****		*****	1	1.0	ml/L	0	1/Month	Comp
	Permit Requirement	*****	*****		*****	Report	Report		*****	1/Month	24-Hr Composite
Settleable Solids Influent 00545 7 0 0	Sample Measurement	*****	*****		*****	1	1	ml/L	0	1/Month	Comp
	Permit Requirement	*****	*****		*****	Report	Report		*****	1/Month	24-Hr Composite
Aluminum, Total (As AL) Effluent 01105 1 0 0	Sample Measurement	2.7	82.3	lb/Day	*****	1	1	mg/L	0	1/Month	Comp
	Permit Requirement	Report	Report		*****	Report	Report		*****	1/Month	24-Hr Composite
Aluminum, Total (As AL) Influent 01105 7 0 0	Sample Measurement	17.5	543.7	lb/Day	*****	2.1	2.1	mg/L	0	1/Month	Comp
	Permit Requirement	Report	Report		*****	Report	Report		*****	1/Month	24-Hr Composite
Fecal Coliform Effluent 31625 1 0 0	Sample Measurement	*****	*****		*****	6	9	#/100 ML	0	10/ Month	Grab
	Permit Requirement	*****	*****		*****	Report	Report		*****	10/ Month	Grab
Fecal Coliform Influent 31625 7 0 0	Sample Measurement	*****	*****		*****	4	6	#/100 ML	0	10/ Month	Grab
	Permit Requirement	*****	*****		*****	Report	Report		*****	10/ Month	Grab
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TYPED OR PRINTED					AREA Code NUMBER 503 582-9655		Year Mo Day 2013 8 9				

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U.S. EPA REGION 10
OFFICE OF COMPLIANCE AND ENFORCEMENT

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(non-wastewater)

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average Monthly	Maximum Daily	UNITS	Minimum	Average Monthly	Maximum Daily	UNITS			
Total Dissolved Solids Effluent 70295 1 0 0	Sample Measurement	*****	*****		*****	68.0	68.0	mg/L	0	4/Month	Comp
	Permit Requirement	*****	*****		*****	Report	Report		*****	1/Month	24-Hr Composite
Total Dissolved Solids Influent 70295 7 0 0	Sample Measurement	*****	*****		*****	60.0	60.0	mg/L	0	4/Month	Comp
	Permit Requirement	*****	*****		*****	Report	Report		*****	1/Month	24-Hr Composite
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Tom Hubbard							503		582-9655		2013
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA Code	NUMBER	Year	Mo	Day

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



September 9, 2013

US EPA Region 10
Director, Office of Compliance & Enforcement
1200 Sixth Avenue, OCE-133
Seattle, Washington 98101

**RE: NPDES # WA-002666-2, MONTHLY REPORT – August, 2013 - ELWHA
WATER TREATMENT PLANT**

Attn: PCS Data Entry Team

Enclosed is the monthly Discharge Monitoring Report (DMR) for the Elwha Water Treatment Plant (Port Angeles, WA), for the month of August, 2013. The report is being submitted by Veolia Water North America (VWNA) Operating Services on behalf of the US Department of Interior, Bureau of Reclamation. A copy has been submitted to the Washington DOE.

On September 9th 2013 a notification was made to the NPDES Compliance Hotline for exceeding the TSS of sediment as out lined in the DMR of 22 lbs/river CFS when turbidity is <50 NTU. Furthermore, contact by email and phone (left voice mail) was also made to Mr. Brian Nickel of EPA about the situation.

Operators are finding that when the turbidity changes from >50 to <50 NTU and the river CFS decreases, the sediment discharge will lag. This lag of sediment entered into the plant days prior to being discharged and then calculated using the lower river CFS which causes the effluent limit to be exceeded. At this time the operators are continuously running discharge pumps to minimize accumulation of sediment in the clarifiers.

Please contact me if you have any questions or comments regarding the enclosed report.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tom Hubbard'.

Tom Hubbard
Project Manager

CC: Tracy Gilchrist, NPS

Enclosures:

- DMR, July, 2013; EPA Form 3320-1 (4 pages)
- Table of values & mass limits for turbidity over and under 50 NTU

ELWHA NPDES REPORTING - SLURRY DISCHARGE - WA-002666-2

Aug-13

INFLUENT TURBIDITY LESS THAN 50 NTU

Day	Influent Turbidity - 13	Flow, Daily, Influent 3000		flow/daily, at outfall 3078	flow/daily at outfall cal	River Flow, 1	TSS Influent, 8	TSS Influent Mass_Calc	TSS Effluent 5002	TSS Effluent Mass_Calc	TSS Influent CFS River calc	TSS Effluent CFS River calc
	NTU	MGD	CFS	MGD	CFS	CFS	mg/L	Lbs/Day	mg/L	Lbs/Day	Lbs/CFS	Lbs/CFS
8/1/2013	43.70	26.8	41.5	5.77	8.93	846	74	16,441	434	20,885	19.4	24.69
8/2/2013	45.70	28.1	43.5	5.83	9.02	836	92	21,585	427	20,762	25.8	24.83
8/4/2013	46.70	26.9	41.6	5.78	8.94	788	95	21,245	411	19,788	27.0	25.11
8/5/2013	45.50	28.2	43.6	5.84	9.04	799	121	28,432	440	21,406	35.6	26.79
8/8/2013	44.20	27.7	42.8	5.76	8.91	739	114	26,324	315	15,132	35.6	20.48
8/14/2013	45.40	24.9	38.5	5.07	7.84	588	88	18,251	192	8,118	31.0	13.81
8/17/2013	31.70	31.9	49.3	10.03	15.52	585	78	20,720	152	12,715	35.4	21.73
8/18/2013	32.70	31.9	49.3	10.03	15.52	560	64	17,068	149	12,422	30.5	22.18
8/19/2013	28.50	25.4	39.3	3.24	5.01	526	49	10,377	601	16,226	19.7	30.85
8/20/2013	31.70	24.2	37.4	3.16	4.89	502	48	9,681	294	7,748	19.3	15.43
8/21/2013	25.90	29.0	44.8	4.93	7.63	457	52	12,560	147	6,044	27.5	13.23
8/22/2013	26.10	27.8	43.0	5.60	8.67	443	54	12,467	167	7,776	28.1	17.55
8/23/2013	26.70	24.0	37.1	3.86	5.97	451	59	11,694	346	11,132	25.9	24.68
8/24/2013	27.80	25.4	39.3	3.22	4.98	464	63	13,343	384	10,312	28.8	22.22
8/25/2013	33.90	26.0	40.2	3.21	4.97	433	59	12,782	348	9,303	29.5	21.49
8/26/2013	24.10	23.8	36.9	3.20	4.95	408	79	15,611	304	8,113	38.3	19.89
8/27/2013	26.60	25.8	39.9	3.25	5.03	423	68	14,586	287	7,779	34.5	18.39
8/29/2013	38.90	30.0	46.4	3.60	5.57	788	236	58,998	1,495	44,886	74.9	56.96
DAILY MAX	48.70	31.85	49.29	10.03	15.52	846.00	236.00	58997.99	1495.00	44885.88	74.87	56.96
AVERAGE	34.77	27.09	41.91	5.08	7.86	590.89	82.84	19009.15	382.77	14474.94	31.49	23.35

Note:

ELWHA_August 2013 - WA-002666-2

INFLUENT TURBIDITY ABOVE 50 NTU

Day	Influent Turbidity - 13	Flow, Daily, Influent 3000		flow/daily, at outfall 3078	flow/daily at outfall cal	River Flow, 1	TSS Influent, 8	TSS Influent Mass_Calc	TSS Effluent 5002	TSS Effluent Mass_Calc	Mass NTE Limit_calc
	NTU	MGD	CFS	MGD	CFS	CFS	mg/L	Lbs/Day	mg/L	Lbs/Day	lbs/day
8/3/2013	50.6	27.48	42.52	5.77	8.93	795	78	17,874	324.0	15,591	37,594
8/6/2013	56.9	29.30	45.33	7	10.83	766	110.5	27,000	405.5	23,673	52,769
8/7/2013	52.7	28.60	44.25	5.85	9.05	747	81	19,320	466.0	22,736	37,000
8/9/2013	71.9	35.29	54.61	11.05	17.10	732	111	32,672	256.0	23,592	55,074
8/10/2013	58.7	34.20	52.92	10.92	16.90	726	93	26,529	232.0	21,129	45,731
8/11/2013	62.3	32.20	49.82	8.84	13.68	733	96.2	25,833	638.0	47,037	45,841
8/12/2013	50.4	35.31	54.64	11.28	17.45	702	91	26,799	225.3	21,195	43,867
8/13/2013	56.7	31.02	48.00	10.42	16.12	615	97	25,095	174.0	15,121	41,441
8/15/2013	61.6	24.87	38.48	6.01	9.30	730	92	18,977	336.0	16,841	41,090
8/16/2013	52.0	31.05	48.04	9.87	15.27	621	76	19,549	155.5	12,800	32,121
8/28/2013	51.7	31.64	48.95	3.20	4.95	581	71	18,602	340.0	9,074	24,178
8/30/2013	185.0	36.02	55.73	8.64	13.37	1,090	233	69,991	829.0	59,736	155,522
8/31/2013	61.5	38.36	59.36	7.88	12.19	586	90	28,635	338.0	22,213	34,760
DAILY MAX	185.0	38.4	59.4	11.3	17.5	1,090.0	233.0	69,990.9	829.0	59,735.8	155,522.1
AVERAGE	67.1	31.9	49.4	8.2	12.7	724.9	101.4	27,452.0	363.0	23,903.0	49,768.3